

Figure 1. The effect of the concentration of the inhibitor on the rate of polymerization of methyl methacrylate in benzene at 60°C. The concentration of the initiator was 0.001 mole/l. and the concentration of the monomer was 0.5 mole/l. The concentration of the inhibitor was 0.001 mole/l. (○), 0.002 mole/l. (●), 0.004 mole/l. (▲), 0.008 mole/l. (△), 0.016 mole/l. (□), 0.032 mole/l. (◇), 0.064 mole/l. (◇), 0.128 mole/l. (◇), 0.256 mole/l. (◇), 0.512 mole/l. (◇), 1.024 mole/l. (◇), 2.048 mole/l. (◇), 4.096 mole/l. (◇), 8.192 mole/l. (◇), 16.384 mole/l. (◇), 32.768 mole/l. (◇), 65.536 mole/l. (◇), 131.072 mole/l. (◇), 262.144 mole/l. (◇), 524.288 mole/l. (◇), 1048.576 mole/l. (◇), 2097.152 mole/l. (◇), 4194.304 mole/l. (◇), 8388.608 mole/l. (◇), 16777.216 mole/l. (◇), 33554.432 mole/l. (◇), 67108.864 mole/l. (◇), 134217.728 mole/l. (◇), 268435.456 mole/l. (◇), 536870.912 mole/l. (◇), 1073741.824 mole/l. (◇), 2147483.648 mole/l. (◇), 4294967.296 mole/l. (◇), 8589934.592 mole/l. (◇), 17179869.184 mole/l. (◇), 34359738.368 mole/l. (◇), 68719476.736 mole/l. (◇), 137438953.472 mole/l. (◇), 274877906.944 mole/l. (◇), 549755813.888 mole/l. (◇), 1099511627.776 mole/l. (◇), 2199023255.552 mole/l. (◇), 4398046511.104 mole/l. (◇), 8796093022.208 mole/l. (◇), 17592186044.416 mole/l. (◇), 35184372088.832 mole/l. (◇), 70368744177.664 mole/l. (◇), 140737488355.328 mole/l. (◇), 281474976710.656 mole/l. (◇), 562949953421.312 mole/l. (◇), 1125899906842.624 mole/l. (◇), 2251799813685.248 mole/l. (◇), 4503599627370.496 mole/l. (◇), 9007199254740.992 mole/l. (◇), 18014398509481.984 mole/l. (◇), 36028797018963.968 mole/l. (◇), 72057594037927.936 mole/l. (◇), 144115188075855.872 mole/l. (◇), 288230376151711.744 mole/l. (◇), 576460752303423.488 mole/l. (◇), 1152921504606846.976 mole/l. (◇), 2305843009213693.952 mole/l. (◇), 4611686018427387.904 mole/l. (◇), 9223372036854775.808 mole/l. (◇), 18446744073709551.616 mole/l. (◇), 36893488147419103.232 mole/l. (◇), 73786976294838206.464 mole/l. (◇), 147573952589676412.928 mole/l. (◇), 295147905179352825.856 mole/l. (◇), 590295810358705651.712 mole/l. (◇), 1180591620717411303.424 mole/l. (◇), 2361183241434822606.848 mole/l. (◇), 4722366482869645213.696 mole/l. (◇), 9444732965739290427.392 mole/l. (◇), 18889465931478580854.784 mole/l. (◇), 37778931862957161709.568 mole/l. (◇), 75557863725914323419.136 mole/l. (◇), 151115727451828646838.272 mole/l. (◇), 302231454903657293676.544 mole/l. (◇), 604462909807314587353.088 mole/l. (◇), 1208925819614629174706.176 mole/l. (◇), 2417851639229258349412.352 mole/l. (◇), 4835703278458516698824.704 mole/l. (◇), 9671406556917033397649.408 mole/l. (◇), 19342813113834066795298.816 mole/l. (◇), 38685626227668133590597.632 mole/l. (◇), 77371252455336267181195.264 mole/l. (◇), 154742504910672534362390.528 mole/l. (◇), 309485009821345068724781.056 mole/l. (◇), 618970019642690137449562.112 mole/l. (◇), 1237940039285380274899124.224 mole/l. (◇), 2475880078570760549798248.448 mole/l. (◇), 4951760157141521099596496.896 mole/l. (◇), 9903520314283042199192993.792 mole/l. (◇), 19807040628566084398385987.584 mole/l. (◇), 39614081257132168796771975.168 mole/l. (◇), 79228162514264337593543950.336 mole/l. (◇), 158456325028528675187087900.672 mole/l. (◇), 316912650057057350374175801.344 mole/l. (◇), 633825300114114700748351602.688 mole/l. (◇), 1267650600228229401496703205.376 mole/l. (◇), 2535301200456458802993406410.752 mole/l. (◇), 5070602400912917605986812821.504 mole/l. (◇), 10141204801825835211973625643.008 mole/l. (◇), 20282409603651670423947251286.016 mole/l. (◇), 40564819207303340847894502572.032 mole/l. (◇), 81129638414606681695789005144.064 mole/l. (◇), 162259276829213363391578010288.128 mole/l. (◇), 324518553658426726783156020576.256 mole/l. (◇), 649037107316853453566312041152.512 mole/l. (◇), 1298074214633706907132624082305.024 mole/l. (◇), 2596148429267413814265248164610.048 mole/l. (◇), 5192296858534827628530496329220.096 mole/l. (◇), 10384593717069655257060992658440.192 mole/l. (◇), 20769187434139310514121985316880.384 mole/l. (◇), 41538374868278621028243970633760.768 mole/l. (◇), 83076749736557242056487941267521.536 mole/l. (◇), 166153499473114484112975882535043.072 mole/l. (◇), 332306998946228968225951765070086.144 mole/l. (◇), 664613997892457936451903530140172.288 mole/l. (◇), 1329227995784915872903807060280344.576 mole/l. (◇), 2658455991569831745807614120560689.152 mole/l. (◇), 5316911983139663491615228241121378.304 mole/l. (◇), 10633823966279326983230456482242756.608 mole/l. (◇), 21267647932558653966460912964485513.216 mole/l. (◇), 42535295865117307932921825928971026.432 mole/l. (◇), 85070591730234615865843651857942052.864 mole/l. (◇), 170141183460469231731687303715884105.728 mole/l. (◇), 340282366920938463463374607431768211.456 mole/l. (◇), 680564733841876926926749214863536422.912 mole/l. (◇), 1361129467683753853853498429727072845.824 mole/l. (◇), 2722258935367507707706996859454145691.648 mole/l. (◇), 5444517870735015415413993718908291383.296 mole/l. (◇), 10889035741470030830827987437816582766.592 mole/l. (◇), 21778071482940061661655974875633165533.184 mole/l. (◇), 43556142965880123323311949751266331066.368 mole/l. (◇), 87112285931760246646623899502532662132.736 mole/l. (◇), 174224571863520493293247799005065

Moving in hire circles—the kitchen lady.

A young woman up town whose first name is Lily asked her Georgetown beau to write her an oblique poem about this Lily.

"We have planted here this Lily,
The loveliest, by gum,
That ever grew upon the earth,
To bloom in kingdom come."

Too many silly young couples drive into matrimony with a blind blind.

BEFORE THE BATTLE.
Principal: "Is he a man of mettle?"
Second: "I should say so. He's an Alabama row king."

THE WINE COMPROMISE.
He killed for half a million, straight,
And this was most surprising;
But not so much, as was the sum,
He made by compromising.

ONLY AN INSULTATION.
Husband: "Dear, I wish you would bring me any hat out of the other room."
Wife—sharply: "Do it yourself. I'd look pretty waiting on you, wouldn't I?"
Husband: "Yes, dear. That's why I asked you to."

It's a Hill wind blows no good to Cleveland.

Talk about the wordly ignorance of girls! Why, they can do a man so thoroughly in a wreck, that he will want to go and hire a sheriff to hang him.

A handy gift—gloves.

NATURAL REMINISCENCES.
Brine: "Why are unhappy lovers like a Chicago girl's feet?"
Jones: "Because they are all soul, I suppose."
Brine: "Guess again."
Jones: "Give it up. Why?"
Brine: "Because you can tell them by their sighs."
Jones: "I can—if I know."

Nobody but a hog would take all the ham-mock.

MR. POWDERLY WRITES A LETTER.
The Criticisms the Secretary of the Treasury—
The E. of L. Ward of Chicago.

Mr. T. W. Powderly, the master workman of the Knights of Labor, has written an open letter to Secretary Foster very severely criticizing his conduct with relation to the attempt to settle the controversy with the discharged plate printers.

In opening his letter he says:

"You have given out the impression that the primary cause of the difficulty lay in the demand of a Knight of Labor for the discharge of a colored girl with whom he refused to work. In answer to a question put to you by Mr. Cavanaugh as to what led to the trouble you say: 'I can't—if I know.'"

"If you spoke truly to Mr. Cavanaugh you could have had no faith in your statements to the public as made through the press. If you believed what you published you must have told to Mr. Cavanaugh that which you intended to be untrue. Within the last three days you have charged that you threatened the defeat of Mr. Cavanaugh if he did not have congratulated yourself on having tricked the general officers of the Knights of Labor. I say that you have made a responsible one. Next to the man who originated with you, for it has been our purpose since the beginning to make nothing public except that which was unavoidable. Your exalted position as a cabinet officer, the minister of finance of our country and adviser of the chief magistrate of a nation of 62,000,000 people, is indeed a responsible one. Next to the presidency it is the most responsible office in the republic. You very aptly said to Mr. Devotion that you were in a 'hot place'—a place that was made great by a Hamilton and a Win-

THE CHRISTIAN ENDEAVOR DELEGATE.
Their Trip to Minneapolis.

Correspondence of The Evening Star.

MINNEAPOLIS, MINN., July 9.

The Christian Endeavor delegate to the Minnesota Yearly Conference of the Christian Endeavor arrived this morning at 6 o'clock instead of last evening, as was intended. Delay was caused partly by a broken-down car and partly by a heavy rain storm last afternoon at Madison, Wis., which was so bad that the Northwestern railroad at the rate of the delegates.

The train arrived in Madison at 6 o'clock, and after the dinner, which was excellent, the young people of the Christian Endeavor Association of the District of Columbia delegation for a through the city of Madison, to the state capitol and up through the grounds of the University of Wisconsin and across the State Capitol grounds. The delegation of an hour was enjoyed on Lake Monona young people met on the platform at 6 o'clock and the delegation took the train at 7 o'clock and on to Minneapolis.

ON TO MINNEAPOLIS.

The view from the engine, on which Stan's corner of the Washington delegation was magnificent all along the route especially at Devil's lake. The mountain near Devil's lake reminded all of the best of the State mountain peaks.

The delegation from Washington slept much last night. It was not because the kindness to the cars of the western road were puzzles which the people wished to solve. They spent the night in the sleeping cars, with the seats, but the problem wasn't solved to one who is used to advanced western ideas of the kindness to do for the Washington delegation. Time finally came when the young people from Washington themselves to the Pullman and by a very early start in the morning, they were one slept and when the train reached Minneapolis this morning at 6 o'clock there were a sick person on the train. Not only so, one well, but almost every one regretted the journey was over, so it can be understood that there was a social time all route and all felt well acquainted.

A WARM GREETING.

Since reaching Minneapolis the Washington delegation has been greeted everywhere by young people of the Christian Endeavor of Minneapolis were at the station to meet the endeavors of Washington to their full city and their most beautiful home. The delegation was met by a delegation provided in the families of that church, charmingly hospitable reception tent to welcome the young people to the Washington delegation.

When the people had been escorted to places which are to be their homes for the night, they were taken to the First Church, a beautiful new edifice dedicated two weeks ago, and from there small boats were taken to the shore of the town and Minneapolis Falls. The trip was over one of the electric lines since the city. At the falls several people were taken to the falls by a photographer of the Young People's Society of the Christian Endeavor of the District of Columbia.

One of the pleasantest acts of courtesy entire trip occurred at Janesville, Wis., where the delegation was met by the young people gave flowers to the members of the Washington party. The first meeting of the delegation began at 6 o'clock this afternoon.

ALEXANDRIA.

THE MINOR CITY OFFICE.

The charter gives the choice of the principal officers of the city to the voters. There has no appointing power except to fill vacancies. The mayor is elected by the officials, however, as the section of the burial ground, the special policeman at the wharf, &c., have heretofore, by custom, been appointed by the mayor. The mayor has the power to elect the captain and the assistant of police, with the members of the board of police. The mayor is the city surveyor, the weigher of the keeper of the alms house, the keeper of the city jail, the keeper of the city

board of health, &c. The city council will meet next Tuesday night and will then arrange

[illegible]

Death of Mr. John C. Tasker.

Mr. John C. Tasker, a well-known died yesterday afternoon in his eightieth year. Mr. Tasker was born in New York City, October 17, 1829. He came to this city in 1856. In 1865 he secured a position in the police and was soon promoted to an examination of which place he held until 1871, whereupon he was elected to the position of assessor. For three years past he had been feeble and his death was not unexpected. He was one of the prominent members of Metropolitan M. E. Church and had always been actively engaged in the work of the church. He had held on several occasions the office of steward, clerk, treasurer, and was at the time of his death the oldest member of the church. He had two sons—Albert P. Tasker, who resides in Manchester, N. H., and Fred E. Tasker, who resides in New York City. He was here at the funeral. The funeral will take place tomorrow afternoon at 3 o'clock from the residence of his daughter, Mrs. J. C. Tasker, 100 West 10th street, conducted by Rev. Dr. Geo. H. Corey, the pastor of the church, and Bishop John P. N. H. of the Episcopal church. The service will be in English and French. The interment will be in the Protestant cemetery.

Colored People and the World's Fair.
The colored citizens of Chicago crowded held a large meeting last night near the school adjacent to the Baptist church

fair, to be held in Chicago, to exhibit the genius of the colored people. T. Glas-

arrived at with Mr. Devlin and Mr. Cavender, the bureau of engraving and printing, of which you are the chief, and the printer of the paper which was declared. Will you please advise whether you truly.

CHAS. FOSTER.
The Hon. Sec. Secretary of trying to put one labor organization against another.

W. H. HARRIS. Secretary of the Treasury of the United States, and of having by a scurrilous woodman a quarrel of your organization.

CHAS. FOSTER. You may call that democracy; its proper name is duplicity.

To Messrs. C. and Sarah Hunt have, by Clark and Collins, filed a bill against Allen & Clark to remove cloud from a title of lot 8, section 5, Barry farm. They state that in 1847 Dennis M. Reeder was married to Easter Bush in St. Charles, Mo., according to the custom of the Reeder and succeeded in the purchase of the M. M. E. church; that in March, 1849, Dennis Reeder died in Prince George's county, Md., leaving three children; that in 1850, Dennis Reeder married Mary Waters, who in 1856, Reeder died, and that Mary Reeder and her property to defendant. That the said Mary Reeder conveyed the said property to the said Mary Waters, and the said Mary Waters, and charges that said Elizabeth is not the wife of the said Reeder, and assumed the name of Reeder by

Washington, D. C. called the meeting to be held on motion of W. E. Skinner, Henry C. Smith, and others, for the purpose of tomorrow offered a resolution, which was unanimously adopted, requesting the appointment of a committee of three, to select a special commissioner on the part of the people of the United States to take the colored exhibition.

A New Map.
The latest and probably the most correct map of the city of Washington, the District of Columbia and adjacent portions of Maryland and Virginia has just been issued by Messrs. of Thos. J. Fisher & Co. The map was compiled by John W. Fisher, a practical and geographical engineer. It has been brought up to date, showing all the many changes in the city and suburbs of Washington, and the past few

Held for the Grand Jury.
This morning in the Police Court Judge Miller heard testimony in the case of Joseph W. Smith, charged with the murder of a man who was arrested on the fifth instant on a charge of shooting a colored man named Henry C. Smith. Both men are employed by the same firm. The case was heard on the evening of the occurrence they had a drinking. When they met in Carr's saloon, Smith was drunk, and the other was sober. Words about their horse, one charged